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PREFACE

The Plant Variety Protection Act (7 U.S.C. 2321 et seq.) authorizes the Secretary of Agriculture to publish an Official Journal and to provide the public with pertinent information relating to the operations of the Plant Variety Protection Office.

The statute also authorizes the Secretary to disseminate technological and other information available to the Office that would encourage innovation and promote progress in plant breeding.

The Official Journal, which is published quarterly, includes instructions issued by the Office and related information. It will be sent free to anyone on request. Send requests to:

Plant Variety Protection Office
Livestock, Poultry, Grain & Seed Division, AMS
U.S. Department of Agriculture
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This issue covers the period from December 31, 1978, through March 31, 1979.

Published May 1979.

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APPLICATIONS RECEIVED

Application

No.	Date	Name of Applicant
7900038	Jan. 12, 1979	FMC Corporation
7900039	Jan. 10, 1979	FMC Corporation
7900045	Feb. 14, 1979	Northrup King Co.
*7900042	Jan. 29, 1979	Ben Fish and Son
7900066	March 5, 1979	Moran Seeds, Inc.
*7900041	Jan. 25, 1979	Northrup King Co.
7900036	Jan. 5, 1979	Asgrow Seed Co.
*7900053	March 1, 1979	McNair Seed Co.
*7900059	March 12, 1979	McNair Seed Co.
7900067	March 28, 1979	Keystone Seed Co.
7900060	March 21, 1979	W. Atlee Burpee Co.
7900044	Feb. 14, 1979	Rogers Brothers Seed Co.
7900047	Feb. 22, 1979	Rogers Brothers Seed Co.
7900048	Feb. 22, 1979	Rogers Brothers Seed Co.
7900049	Feb. 28, 1979	Ardie G. Gustafson, Seedsman
7900054	March 5, 1979	W. Brotherton Seed Co., Inc.
7900050	Feb. 28, 1979	Pickseed West, Inc.
7900051	Feb. 28, 1979	Pickseed West, Inc.
7900052	Feb. 28, 1979	Pickseed West, Inc.
7900056	March 5, 1979	Pacific Oilseeds, Inc.
7900057	March 5, 1979	Pacific Oilseeds, Inc.
*7900043	Feb. 5, 1979	Coker's Pedigreed Seed Co. (3)
7900046	Feb. 16, 1979	Ring Around Products, Inc.
7900058	March 6, 1979	Helena Chemical Co.
*7900061	March 27, 1979	Iowa Agric. & Home Econ. Expt. Sta. (3)
*7900062	March 27, 1979	Iowa Agric. & Home Econ. Expt. Sta. (3)
*7900063	March 27, 1979	Iowa Agric. & Home Econ. Expt. Sta. (3)
*7900064	March 27, 1979	Iowa Agric. & Home Econ. Expt. Sta. (3)
*7900065	March 27, 1979	Iowa Agric. & Home Econ. Expt. Sta. (3)
7900055	March 5, 1979	Hollar & Co., Inc.
*7900035	Jan. 3, 1979	Speight Seed Farms, Inc. (3)
7900040	Jan. 25, 1979	Permission To Publish Not Received

Name of Kind	Name of Variety
Bean, Garden	Blue Duet
Bean, Garden	Score
Bean, Garden	Exp. 121
Bean, Lima	Sprigg
Cauliflower	Snowball 23
Clover, Red	Tristan
Corn, Sweet	P737M20
Cotton	McNair 308
Cotton	McNair 307
Lettuce	Commander
Marigold	Happy Red
Pea, Garden	Novella
Pea, Garden	Parlay
Pea, Garden	Tempter
Pea, Garden	Kosta
Pea, Garden	Multistar
Ryegrass, Perennial	Blazer
Ryegrass, Perennial	Dasher
Ryegrass, Perennial	Fiesta
Safflower	S-742
Safflower	S-541
Soybean	Coker 156
Soybean	Mitchell 450
Soybean	Wilstar 790
Soybean	Cumberland
Soybean	Oakland
Soybean	Vinton
Soybean	Sloan
Soybean	Vickery
Squash	Goldarch
Tobacco	Speight G-70
Tobacco	Speight G-52

* To be sold by variety name only as a class of certified seed
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AMENDED APPLICATIONS

<u>Application No.</u>	<u>Date</u>	<u>Name of Applicant</u>	<u>Name of Kind</u>	<u>Name of Variety</u>
**7900023	December 6, 1978	Dairyland Seed Co., Inc.	Alfalfa	Magnum
7800078	June 2, 1978	Van Waveren Pflanzenzucht G.M.B.H.	Bean, Garden	Earlybird
**7700055	April 1, 1977	Jacques Seed Co.	Soybean	J-94A
**7700056	April 1, 1977	Jacques Seed Co.	Soybean	J-102A

CERTIFICATES ISSUED AND NOVELTY BASED ON APPLICANT'S CLAIM

<u>Certificate No.</u>	<u>Issue Date</u>	<u>Owner</u>	<u>Name of Kind</u>	<u>Name of Variety</u>
**7200139	Jan. 25, 1979	Michigan State University	Rye	Wheeler (2)
'Wheeler' is most similar to 'Tetra Petkus', but 'Wheeler' is 12 to 15 cm taller, heads 4 to 7 days earlier and produces 2 to 4 more tillers per plant than 'Tetra Petkus'				
**7670004	Jan. 25, 1979	Alexandria Seed Company, Inc.	Rice	Melrose (3)
'Melrose' most closely resembles 'Nova 66', but 'Melrose' has longer (42.41 vs 38.16 cm) and wider leaves (1.70 vs 1.58 cm), heavier panicles (242 vs 217 grs), and heavier seeds (26.25 vs 25.29 grs/1000 seed) than 'Nova 66'.				
7700032	Jan. 25, 1979	Zelder b.v.	Chewings Fescue	Agram
'Agram' most closely resembles 'Jamestown', but 'Agram' has shorter culms (800 vs 940 mm), narrower flag leaves (2.1 vs 2.6 mm), and more powdery mildew resistance and Fusarium wilt resistance than 'Jamestown'.				
**7700105	Jan 25, 1979	Seed Research, Inc.	Wheat	5422 (2)
'5422' most closely resembles 'Triumph 64', but '5422' has brown glumes; whereas, the glumes of 'Triumph 64' are straw-colored.				
**7800055	Jan. 25, 1979	Soybean Research Foundation, Inc.	Soybean	SRF 150P (3)
'SRF 150P' is most similar to 'SRF 150'; however, 'SRF 150P' is resistant to Phytophthora root rot race 1; whereas, 'SRF 150' is susceptible; 'SRF 150P' is also 2 days later in maturity and 2.54 cm taller than 'SRF 150'.				
**7800065	Jan. 25, 1979	Mississippi Agric. & Forestry Exp. Station (MAFES)	Soybean	Centennial (3)
'Centennial' most closely resembles 'Lee 68', 'Lee 74', and 'Pickett 71'; however, 'Centennial' is resistant to cyst nematode races 1 and 3 and has brown pubescence; whereas, 'Lee 68' and 'Lee 74' are susceptible to cyst nematode races 1 and 3 and 'Pickett 71' has gray pubescence.				

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7800086	Jan. 25, 1979	Joseph Harris Co., Inc.	Lettuce	Deep Red
'Deep Red' most closely resembles 'Prize Head'; however, 'Deep Red' has a dark green (Waldmann's Green) leaf ground color and a leaf thickness of 0.36 mm; whereas, 'Prize Head' has a yellow (Salad Bowl) leaf ground color and a leaf thickness of 0.21 mm.				
7900014	Jan. 25, 1979	North American Plant Breeders	Soybean	AP 40
'AP 40' most closely resembles 'Mitchell'; however, 'AP 40' is resistant to races 1 and 2 of Phytophthora root rot; whereas, 'Mitchell' is susceptible.				
*7800105	Jan. 25, 1979	South Dakota Agric. Exp. Station, South Dakota State University	Wheat	Eureka (3)
'Eureka' most closely resembles six other varieties. 'Eureka', however, has white, hollow stems, and is resistant to stem rust race TNMK (15B-2); whereas, 'Waldron' and 'Ellar' have purple stems, 'Tioga' and 'Fortuna' have solid stems, and 'Chris' and 'Marquis' are susceptible to race TNMK of stem rust.				
*7700042	Feb. 15, 1979	Custom Ag Service, Inc.	Cotton	Cascot B-2 (3)
'Cascot B-2' is most similar to 'Lankart 57'; however, 'Cascot B-2' has pea green leaves, lax main stems and tends to lodge under heavy fruit load; whereas, 'Lankart 57' has dark green leaves and remains erect. 'Cascot B-2' is resistant to Fusarium and Verticillium wilt and bacterial blight, but 'Lankart 57' is susceptible.				
*7700043	Feb. 15, 1979	Custom Ag Service, Inc.	Cotton	Cascot L-7 (3)
'Cascot L-7' is most similar to 'Tamcot SP 37', but differs in having cream colored pollen instead of yellow as in 'Tamcot SP 37'.				
7700104	Feb. 15, 1979	International Seeds, Inc.	Rough Bluegrass	Sabre
'Sabre' most closely resembles 'Polis', but 'Sabre' has a darker green color (rated 6.4 vs 5.6; 10=darkest), has more panicles (115 vs 81 panicles/plant), produces a higher tiller density (405 vs 339 tillers/100 cm ²), and has a slower rate of vertical growth (3.17 vs 4.18 cm/14 days) as compared to 'Polis'.				

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7800061	Feb. 15, 1979	Canners Seed Corporation	Pea	#9901 Canner
'#9901 Canner' most closely resembles 'Target'; however, '#9901 Canner' is resistant to powdery mildew; whereas, 'Target' is not.				
**7800081	Feb. 15, 1979	North American Plant Breeders	Soybean	AP 70 (1)
'AP 70' is most similar to 'Bragg'; however, 'AP 70' is 10-15 cm taller and susceptible to root knot nematodes; whereas, 'Bragg' is resistant.				
7800098	Feb. 15, 1979	Callahan Enterprises, Inc.	Soybean	S-48
'S-48' most closely resembles 'Beeson'; however, 'S-48' has a yellow hilum; whereas, 'Beeson' has an imperfect black hilum.				
7900007	Feb. 15, 1979	Ring Around Products, Inc.	Soybean	RA-480
'RA-480' most closely resembles 'Mack'. However, 'RA-480' is 15 cm taller and 5 days earlier in maturity than 'Mack'.				
7800083	March 1, 1979	Quali-Sel, Inc.	Lettuce	Amaral 400
'Amaral 400' most closely resembles 'Salinas'; however, 'Amaral 400' is white-seeded; whereas, 'Salinas' is black-seeded.				
**7800100	March 1, 1979	Kansas Agricultural Exp. Station	Wheat	Newton (3)
'Newton' most closely resembles 'TAM W-101', but 'Newton' has square glume shoulders and is resistant to soilborne mosaic virus; whereas, 'TAM W-101' has oblique glume shoulders and is susceptible to soilborne mosaic virus.				
**7800104	March 1, 1979	Pioneer Hi-Bred International, Inc.	Cotton	PR68 (3)
'PR68' most closely resembles 'Lockett 4789-A'; however, 'PR68' is resistant to bacterial blight and the Fusarium wilt-nematode complex, and tolerant to Verticillium wilt while 'Lockett 4789-A' is susceptible.				

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7900008	March 1, 1979	Ring Around Products, Inc.	Soybean	RA-604
'RA-604' most closely resembles 'Hutton'; however, 'RA-604' is 20-24 days earlier in maturity than 'Hutton'.				
**7200132	March 15, 1979	J. Joordens' Zaadhandel B.V.	Chewings Rescue	Jade (3)
'Jade' most closely resembles 'Agram', but 'Jade' heads 3 days later, has lighter green leaves (3.9 vs 4.9--1=light green, 5=dark green), and has longer flag leaves (12.0 vs 9.2 cm) than 'Agram'.				
**7200134	March 15, 1979	J. Joordens' Zaadhandel, B.V.	Orchardgrass	Dolcea (3)
'Dolcea' most closely resembles 'Tenderbite', but 'Dolcea' is 2 days earlier in heading date, and is more prostrate in growth habit than 'Tenderbite'.				
7800026	March 15, 1979	A. L. Tozer, Ltd.	Lettuce	Tania
'Tania' most closely resembles 'Diana'; however, 'Tania' has tan seeds and 'Diana' has white seeds.				
**7800029	March 15, 1979	J. H. Lambright	Cotton	Lambright GL-F (3)
'Lambright GL-F' most closely resembles 'Lambright GL-5', but 'Lambright GL-F' has frego type bracts and a 3-1 phyllotaxy; whereas, 'Lambright GL-5' has normal bracts and a 2-5 phyllotaxy.				
**7800069	March 15, 1979	Mrs. Barbara B. Curtis & Lofts Pedigreed Seed, Inc.	Ky. Bluegrass	RAM-I (3)
'RAM-I' most closely resembles 'Glade', but 'RAM-I' is moderately susceptible to leaf rust, and has earlier spring green-up; whereas, 'Glade' is resistant to leaf rust.				
7900018	March 15, 1979	North American Plant Breeders	Soybean	Co-op 500
'Co-op 500' is most similar to 'Cutler 71' except 'Co-op 500' has gray pubescence and imperfect black hilum; whereas, 'Cutler 71' has tawny pubescence and black hilum.				

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**76TQ014	March 29, 1979	Paul or Wardell Hanks	Cotton	New Mexico Acala #20 (2)
'New Mexico Acala #20' most closely resembles 'Acala 1517-70'. However, 'New Mexico Acala #20' matures bolls 11 days earlier (130 vs 141 days), has longer fibers (32 vs 30.8 mm), and has stronger fibers (25.8 vs 21.0 grams force/tex) than 'Acala 1517-70'.				
**7800010	March 29, 1979	Northrup King Company	Wheat	Solar (3)
'Solar' most closely resembles 'Era', but the phenol reaction of 'Era' is black; whereas, the phenol reaction of 'Solar' is brown.				
**7800040	March 29, 1979	Mississippi Agricultural & Forestry Experiment Station	Cotton	DES 24 (3)
'DES 24' most closely resembles 'Delcot 277', but 'DES 24' has smaller bolls (5.41 vs 5.82 grams seed cotton/bolls), smaller seed (11.3 vs 12.5 grams/100 seed), shorter fiber (1.16 vs 1.18 inches, 29.4 vs 30.0 mm), lower fiber elongation (7.94 vs 9.22 percent), and higher micronaire (4.53 vs 3.55) than 'Delcot 277'.				
**7800041	March 29, 1979	Mississippi Agricultural & Forestry Experiment Station	Cotton	DES 56 (3)
'DES 56' most closely resembles 'Stoneville 213' and 'Stoneville 731N'. However, 'DES 56' has longer fiber (29.8 vs 28.5 mm), smaller bolls (4.76 vs 5.11 grams seed cotton/bolls), and has finer lint fibers (4.41 vs 4.68 micronaire) than 'Stoneville 213'. 'Stoneville 731N' is nectariless, while 'DES 56' is nectaried.				
**7800093	March 29, 1979	North American Plant Breeders	Barley	Bold
'Bold' is most similar to 'California Mariout 72' except 'Bold' is 9 cm shorter and 2 days later in maturity than 'California Mariout 72'.				

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7800095	March 29, 1979	Sakata Seed America, Inc.	Parsley	Decora
'Decora' most closely resembles 'Paramount'; however, 'Decora' is resistant to leaf spot and soft rot; whereas, 'Paramount' is susceptible.				
7900011	March 29, 1979	Crites-Moscow Growers, Inc.	Pea	Lance
'Lance' most closely resembles 'A-45 Double Podded'; however, 'Lance' is resistant to Fusarium wilt race 5; whereas, 'A-45 Double Podded' is susceptible.				

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